

Mass, Volume and Capacity

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Class 3a Date 11/8/10

Progression Points

- 2.25** Use of formal units of measurement.
Application of estimations using personal units and then comparison with formal units.
Use of a ruler and tape measure (linear scale) and trundle wheel (circular scale) to validate estimates of length.
- 2.5** Estimates of measurement of mass, volume and capacity of common objects; for example, kilogram of flour, litre of soft drink.
- 2.75** Reading of analogue clocks to the nearest quarter of an hour.
Construction and interpretation of a daily timetable.
- 3.0** Interpret timetables and calendars.
Read analogue and digital clocks to 5 minute intervals.
Calculate area through multiplication.
Estimate angles in terms of quarter turns and half turns.
- 3.0+** Solve measurement problems.
Convert between metric units.

2.5

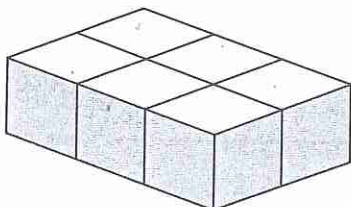
- 5 Choose a container from the group to match the given capacities in the table.

a	1 litre	milk ✓
b	2 litres	Drink ✓
c	4 litres	oil ✓
d	10 litres	bucket
e	60 litres	Bin ✓



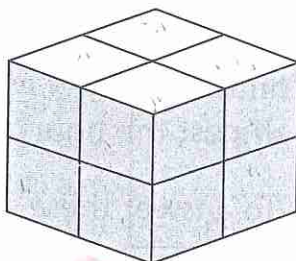
- 6 Calculate the volume of these shapes.

a



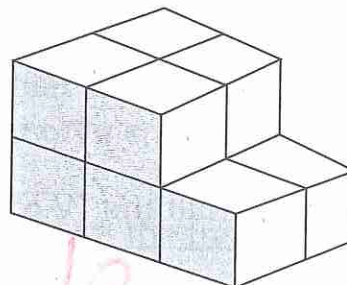
6 cubes ✓

b



16 cubes ✓

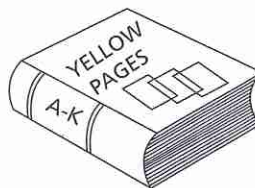
c



15 cubes ✓

- 7 Estimate then measure the mass of a phone book and a full litre of milk to the nearest kilogram.

	Estimate	Mass
a Phone book	3 kg	kg
b Milk	1 kg	kg



Great try, make sure you don't get tricked.